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PLAQUE-PREVENTION WORK.

CALIFORNIA.

The following report of plague-prevention work in California for the week ended April 24, 1915, was received from Passed Asst. Surg. Hurley, of the United States Public Health Service, in temporary charge of the work:

San Francisco, Cal.

RAT PROOFING.

RAT PROOFING.	
New buildings:	
Inspections of work under construction.	200
Basements concreted (24,507 square feet).....	41
Floors concreted (67,793 square feet).....	27
Yards, passageways, etc. (11,495 square feet).....	51
Total area of concrete laid (square feet). 103,795	
Class A, B, and C (fireproof) buildings:	
Inspections made.....	221
Roof and basement ventilators, etc., screened.....	4,644
Wire screening used (square feet).....	23,020
Openings around pipes, etc., closed with cement.....	11,501
Sidewalk lens lights replaced.....	15,000
Old buildings:	
Inspections made.....	638
Wooden floors removed.....	69
Yards and passageways, planking removed.....	15

RAT PROOFING—continued.

RAT PROOFING—continued.	
Old buildings—Continued.	
Cubic feet new foundation walls installed.....	6,259
Concrete floors installed (81,057 square feet).....	58
Basements concreted (9,363 square feet).....	12
Yards and passageways, etc., concreted (43,337 square feet).....	79
Total area concrete laid (square feet).....	133,757
Floors rat proofed with wire cloth (8,064 square feet).....	9
Buildings razed.....	20
New garbage cans stamped approved..	509
Nuisances abated.....	373

OPERATIONS ON THE WATER FRONT.

Vessels inspected for rat guards.....	23
Reinspections made on vessels.....	29
New rat guards procured.....	13
Defective rat guards repaired.....	4
Vessels on which cargo was inspected.....	1

AMOUNT OF CARGO AND DESCRIPTION OF SAME.

	Condition.	Rat evidence.
Steamer Admiral Farragut, from Seattle:		
110 cases milk, salmon, and household goods.....	O. K.....	None.
400 sacks flour and bran.....	O. K.....	None.

Rats trapped on wharves and water front....	15
Rats trapped on vessels.....	28
Traps set on wharves and water front.....	119
Traps set on vessels.....	48
Vessels trapped on.....	10
Poisons placed on water front (pieces).....	3,600
Bait used on water front and vessels, bacon (pounds).....	6
Amount of bread used in poisoning, water front (loaves).....	12
Pounds of poison used on water front.....	6

RATS COLLECTED AND EXAMINED FOR PLAGUE.

Collected.....	273
Examined.....	213
Found infected.....	0

RATS IDENTIFIED.

Mus norvegicus.....	127
Mus rattus.....	53
Mus alexandrinus.....	51
Mus musculus.....	37

Squirrels collected and examined for plague.

Contra Costa County.....	288
San Benito County.....	171
Alameda County.....	89
Merced County.....	60
Stanislaus County.....	32
Santa Cruz County.....	28
Santa Clara County.....	26
San Joaquin County.....	50
Total.....	744
Found infected.....	1

May 14, 1915

Rabbits collected and examined for plague.

Alameda County.....	1
Santa Cruz County.....	2
Merced County.....	1
Total.....	4
Found infected.....	0

Plague-infected squirrel found.

San Benito County:

Apr. 13, 1915. J. B. McGruer ranch, 3½ miles south of Mulberry 1 squirrel.

Record of plague infection.

Places in California.	Date of last case of human plague.	Date of last case of rat plague.	Date of last case of squirrel plague.	Total number rodents found infected since May, 1907.
Cities:				
San Francisco.....	Jan. 30, 1908	Oct. 23, 1908	(¹)	398 rats.
Oakland.....	Aug. 9, 1911	Dec. 1, 1908	(¹)	126 rats.
Berkeley.....	Aug. 28, 1907	(¹)	(¹)	None.
Los Angeles.....	Aug. 11, 1908	(¹)	Aug. 21, 1908	1 squirrel.
Counties:				
Alameda (exclusive of Oakland and Berkeley).	Sept. 24, 1909	Oct. 17, 1909 ²	Aug. 7, 1914	286 squirrels; wood rat.
Contra Costa.....	May 17, 1914	(¹)	Mar. 4, 1915	1,567 squirrels.
Fresno.....	(¹)	(¹)	Oct. 27, 1911	1 squirrel.
Merced.....	(¹)	(¹)	July 12, 1911	5 squirrels.
Monterey.....	(¹)	(¹)	Apr. 10, 1914	6 squirrels.
San Benito.....	June 4, 1913	(¹)	Apr. 13, 1915	37 squirrels.
San Joaquin.....	Sept. 18, 1911	(¹)	Aug. 26, 1911	18 squirrels.
San Luis Obispo.....	(¹)	(¹)	Jan. 29, 1910	1 squirrel.
Santa Clara.....	Aug. 31, 1910	(¹)	July 23, 1913	25 squirrels.
Santa Cruz.....	(¹)	(¹)	May 17, 1910	3 squirrels.
Stanislaus.....	(¹)	(¹)	June 2, 1911	13 squirrels.

¹ None.² Wood rat.*Ranches inspected and hunted over.*

Contra Costa County.....	41
Alameda County.....	16
San Benito County.....	36
Stanislaus County.....	4
Santa Clara County.....	10
Merced County.....	13
San Joaquin County.....	7

Total..... 127

Operations are being carried on under Federal supervision on the property of the Rodeo Townsite Co., Contra Costa County, labor and material furnished by the owners, as follows:

Number of acres covered.....	144
Number holes treated.....	6,025

The work is being carried on in the following named counties: Alameda, Contra Costa, San Francisco, Merced, San Joaquin, Santa Cruz, Stanislaus, San Benito, Santa Clara, and San Mateo.

LOUISIANA—NEW ORLEANS—PLAQUE ERADICATION.

The following report of plague-eradication work at New Orleans for the week ended April 24, 1915, was received from Surg. Creel, of the United States Public Health Service, in temporary charge of the work:

OUTGOING QUARANTINE.		DESTINATION AND NUMBER OF RAILROAD CARS INSPECTED, ETC.—continued.	
Vessels fumigated with sulphur.....	45	Tennessee.....	67
Vessels fumigated with carbon monoxide.....	16	Texas.....	204
Vessels fumigated with hydrocyanic gas.....	2	Virginia.....	1
Pounds of sulphur used.....	5,412	Washington.....	3
Pounds of coke consumed in carbon monoxide fumigation.....	23,600	Wisconsin.....	15
Pounds of potassium cyanide used in hydrocyanic gas fumigation.....	152	Canada.....	2
Pounds of sodium carbonate used in hydrocyanic gas fumigation.....	170	FIELD OPERATIONS.	
Pounds of sulphuric acid used in hydrocyanic gas fumigation.....	184	Rats trapped.....	5,650
Clean bills of health issued.....	30	Number of premises inspected.....	11,817
Foul bills of health issued.....	11	Notices served.....	1,566
OVERLAND FREIGHT INSPECTION.			
Cars inspected, found in good order, permitted to load.....	2,042	By elevation.....	180
Cars ordered repaired before loading.....	1,423	By marginal concrete wall.....	183
Total cars inspected.....	3,465	By concrete floor and wall.....	305
Rodents killed in cars.....	17	By minor repairs.....	416
DESTINATION AND NUMBER OF RAILROAD CARS INSPECTED FOR WEEK ENDED APR. 24, 1915.			
Alabama.....	110	Square yards of concrete laid.....	14,206
Arkansas.....	26	Total buildings rat proofed.....	1,084
California.....	18	Total buildings rat proofed to date.....	31,914
Carolina, North.....	13	Abatements.....	2,523
Carolina, South.....	11	Abatements to date.....	23,339
Colorado.....	1	LABORATORY OPERATIONS.	
Florida.....	22	Rodents examined.....	2,751
Georgia.....	50	Mus norvegicus.....	2,115
Illinois.....	229	Mus rattus.....	182
Indiana.....	34	Mus alexandrinus.....	139
Iowa.....	15	Mus musculus.....	3,076
Kansas.....	15	Wood rats.....	54
Kentucky.....	16	Putrid.....	139
Louisiana.....	888	Musk rats.....	124
Massachusetts.....	1	Total rodents received at laboratory.....	5,705
Michigan.....	12	Number of suspicious rats.....	9
Minnesota.....	8	Plague rats confirmed.....	0
Mississippi.....	325	Last case of human plague, Oct. 4, 1914.	
Missouri.....	91	Last case of rodent plague, Mar. 9, 1915.	
Nebraska.....	8	Total number of rodents captured to Apr. 24.....	
New Jersey.....	2	329,375	
New York.....	16	Total number of rodents examined to Apr. 24.....	240,376
Ohio.....	67	Total cases of rodent plague to Apr. 24, by species:	
Oklahoma.....	8	Mus musculus.....	4
Oregon.....	3	Mus rattus.....	16
Pennsylvania.....	8	Mus norvegicus.....	208
		Mus alexandrinus.....	8
		Total rodent cases to Apr. 24, 1915.....	236

HAWAII—HONOLULU—PLAQUE PREVENTION.

The following report of plague-prevention work at Honolulu for the week ended April 17, 1915, was received from Surg. Trotter, of the United States Public Health Service:

Total rats and mongoose taken.....	403	Average number of traps set daily.....	1,085
Rats trapped.....	400	Cost per rat destroyed.....cents.	21 $\frac{2}{3}$
Mongoose trapped.....	2	Last case rat plague, Aiea, 9 miles from Honolulu, Apr. 12, 1910.	
Rats found dead (<i>Mus alexandrinus</i>).....	1	Last case human plague, Honolulu, July 12, 1910.	
Examined microscopically.....	335	Last case rat plague, Kalopa stable, Paauhau stable, Aug. 29, 1914.	
Showing plague infection.....	0	Last case human plague, Paauhau Landing, Hawaii, Aug. 17, 1914.	
Classification of rats trapped:			
<i>Mus alexandrinus</i>	201		
<i>Mus musculus</i>	109		
<i>Mus norvegicus</i>	66		
<i>Mus rattus</i>	24		

PORTO RICO—PLAQUE PREVENTION.

Rats and mice and mongoose have been examined in Porto Rico as follows: Four weeks ended March 26, 1915, 986 rats and mice; two weeks ended April 10, 1915, 376 rats and mice and 1 mongoose. No plague infection was found. The animals examined were collected in San Juan, Puerta de Tierra, and Santurce.